

---

# *Table of Contents*

<i>Preface</i> .....	<i>vii</i>
<b>1. BeOS Programming Overview</b> .....	<b>1</b>
Features of the BeOS .....	1
Structure of the BeOS .....	5
Software Kits and Their Classes .....	7
BeOS Programming Fundamentals .....	13
BeOS Programming Environment .....	28
<b>2. BeIDE Projects</b> .....	<b>31</b>
Development Environment File Organization .....	31
Examining an Existing BeIDE Project .....	34
Setting up a New BeIDE Project .....	47
HelloWorld Source Code .....	65
<b>3. BeOS API Overview</b> .....	<b>75</b>
Overview of the BeOS Software Kits .....	75
Software Kit Class Descriptions .....	80
Chapter Example: Adding an Alert to MyHelloWorld .....	89
<b>4. Windows, Views, and Messages</b> .....	<b>98</b>
Windows .....	98
Views .....	110
Messaging .....	126

<b>5.</b> <i>Drawing</i> .....	<b>134</b>
Colors .....	135
Patterns .....	150
The Drawing Pen .....	155
Shapes .....	159
<b>6.</b> <i>Controls and Messages</i> .....	<b>177</b>
Introduction to Controls .....	177
Buttons .....	189
Picture Buttons .....	193
Checkboxes .....	198
Radio Buttons .....	204
Text Fields .....	214
Multiple Control Example Project .....	220
<b>7.</b> <i>Menus</i> .....	<b>226</b>
Menu Basics .....	226
Working With Menus .....	244
Multiple Menus .....	258
Pop-up Menus .....	262
Submenus .....	268
<b>8.</b> <i>Text</i> .....	<b>272</b>
Fonts .....	273
Simple Text .....	282
Editable Text .....	286
Scrolling .....	305
<b>9.</b> <i>Messages and Threads</i> .....	<b>322</b>
The Application Kit and Messages .....	323
Application-Defined Messages .....	330
<b>10.</b> <i>Files</i> .....	<b>359</b>
Files and the Storage Kit .....	359
Using Standard Open and Save Panels .....	361
Onward .....	375
<b>Index</b> .....	<b>377</b>